Raw Sequence Listing Error Summary

ERROR DETECTED SUGGESTED CORRECTION SERIAL NUMBER: 09/202,104

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 ____ Wrapped Nucleics
The number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".

RECEIVED
AUG 09 2000
TECH CE

2 ____ Wrapped Aminos
The amino acid number/text at the end of each line "wrapped " down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".

3 ____ Incorrect Line Length
The rules require that a line not exceed 72 characters in length. This includes spaces

4 ____ Misaligned Amino Acid Numbering
The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs between the numbering. It is recommended to delete any tabs and use spacing between the numbers.

5 ____ Non-ASCII
This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.

6 ____ Variable Length
Sequence(s) ____ contain n's or Xaa's which represented more than one residue.
As per the rules, each n or Xaa can only represent a single residue.
Please present the maximum number of each residue having variable length and indicate in the (ix) feature section that some may be missing.

7 ____ PatentIn ver. 2.0 "bug"
A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies primarily to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**

8 ____ Skipped Sequences (OLD RULES)
Sequence(s) ____ missing. If intentional, please use the following format for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X:
(i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:
This sequence is intentionally skipped

Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).

9 ____ Skipped Sequences (NEW RULES)
Sequence(s) ____ missing. If intentional, please use the following format for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

10 ____ Use of **n's** or **Xaa's** (NEW RULES)
Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue **n** or **Xaa** represents.

11 ____ Use of <213>Organism (NEW RULES)
Sequence(s) _____ are missing this mandatory field or its response.

12 ____ Use of <220>Feature (NEW RULES)
Sequence(s) ____ are missing the <220>Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"
Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)

13 ____ PatentIn ver. 2.0 "bug"
Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other means to copy file to floppy disk.

1647

RAW SEQUENCE LISTING DATE: 08/07/2000
PATENT APPLICATION: US/09/202,104 TIME: 20:15:31

Input Set : A:\3890us1.app
Output Set: N:\CRF3\08072000\I202104.raw

Does Not Comply
Corrected Diskette Needed

<110> APPLICANT: van Leengoed, Leonardus Adrianus Maria Govardus
Hoebe, Kasper Hubertus Nicolaas
Meloen, Robert Hans
<120> TITLE OF INVENTION: IL-6 and IL-6 receptor derived peptide having IL-6 antagonistic or agonistic activity
<130> FILE REFERENCE: 2183-3890us
<140> CURRENT APPLICATION NUMBER: 09/202,104
<141> CURRENT FILING DATE: 1999-04-30
<150> PRIOR APPLICATION NUMBER: EP 96201720.8
<151> PRIOR FILING DATE: 1996-06-20
<150> PRIOR APPLICATION NUMBER: PCT/NL97/00345
<151> PRIOR FILING DATE: 1997-06-19
<160> NUMBER OF SEQ ID NOS: 19
<170> SOFTWARE: PatentIn Ver. 2.1
<210> SEQ ID NO: 1
<211> LENGTH: 12
<212> TYPE: PRT
<213> ORGANISM: Unknown Organism
<220> FEATURE:
<223> OTHER INFORMATION: Description of Unknown Organism:PEPTIDE
<400> SEQUENCE: 1
Arg Tyr Ile Leu Asp Gly Ile Ser Ala Leu Arg Leu
1 5 10
<210> SEQ ID NO: 2
<211> LENGTH: 16
<212> TYPE: PRT
<213> ORGANISM: Unknown Organism
<220> FEATURE:
<223> OTHER INFORMATION: Description of Unknown Organism:PEPTIDE
<400> SEQUENCE: 2
Ser Thr Lys Val Leu Ile Gln Phe Leu Gln Lys Lys Ala Lys Asn Leu
1 5 10 15
<210> SEQ ID NO: 3
<211> LENGTH: 19
<212> TYPE: PRT
<213> ORGANISM: Unknown Organism
<220> FEATURE:
<223> OTHER INFORMATION: Description of Unknown Organism:PEPTIDE
<400> SEQUENCE: 3
Ile Leu Arg Ser Phe Lys Glu Phe Leu Gln Ser Ser Leu Arg Ala Leu
1 5 10 15
Arg Gln Met
<210> SEQ ID NO: 4
<211> LENGTH: 15
<212> TYPE: PRT
<213> ORGANISM: Unknown Organism
<220> FEATURE:

global invalid response – see circled portions of Item 12 on Error Summary Sheet

RAW SEQUENCE LISTING DATE: 08/07/2000
PATENT APPLICATION: US/09/202,104 TIME: 20:15:31

Input Set : A:\3890us1.app
Output Set: N:\CRF3\08072000\I202104.raw

<223> OTHER INFORMATION: Description of Unknown Organism:PEPTIDE
<400> SEQUENCE: 4
Gln Leu Ser Cys Phe Arg Lys Ser Pro Leu Ser Asn Val Val Cys
1 5 10 15
<210> SEQ ID NO: 5
<211> LENGTH: 21
<212> TYPE: PRT
<213> ORGANISM: Unknown Organism
<220> FEATURE:
<223> OTHER INFORMATION: Description of Unknown Organism:PEPTIDE
<400> SEQUENCE: 5
Pro Arg Ser Thr Pro Ser Leu Thr Thr Lys Ala Val Leu Leu Val Arg
1 5 10 15
Lys Phe Gln Asn Ser
20
<210> SEQ ID NO: 6
<211> LENGTH: 20
<212> TYPE: PRT
<213> ORGANISM: Unknown Organism
<220> FEATURE:
<223> OTHER INFORMATION: Description of Unknown Organism:PEPTIDE
<400> SEQUENCE: 6
Met Cys Val Ala Ser Ser Val Gly Ser Lys Phe Ser Lys Thr Gln Thr
1 5 10 15
Phe Gln Gly Cys
20
<210> SEQ ID NO: 7
<211> LENGTH: 25
<212> TYPE: PRT
<213> ORGANISM: Unknown Organism
<220> FEATURE:
<223> OTHER INFORMATION: Description of Unknown Organism:PEPTIDE
<400> SEQUENCE: 7
Pro Glu Lys Pro Lys Asn Leu Ser Cys Ile Val Asn Glu Gly Lys Lys
1 5 10 15
Met Arg Cys Glu Trp Asp Gly Gly Arg
20 25
<210> SEQ ID NO: 8
<211> LENGTH: 25
<212> TYPE: PRT
<213> ORGANISM: Unknown Organism
<220> FEATURE:
<223> OTHER INFORMATION: Description of Unknown Organism:PEPTIDE
<400> SEQUENCE: 8
Asn Phe Thr Leu Lys Ser Glu Trp Ala Thr His Lys Phe Ala Asp Cys
1 5 10 15
Lys Ala Lys Arg Asp Thr Pro Thr Ser
20 25
<210> SEQ ID NO: 9

RAW SEQUENCE LISTING DATE: 08/07/2000
PATENT APPLICATION: US/09/202,104 TIME: 20:15:31

Input Set : A:\3890us1.app
Output Set: N:\CRF3\08072000\I202104.raw

<211> LENGTH: 15
<212> TYPE: PRT
<213> ORGANISM: Unknown Organism
<220> FEATURE:
<223> OTHER INFORMATION: Description of Unknown Organism:PEPTIDE
<400> SEQUENCE: 9
Trp Val Glu Ala Glu Asn Ala Leu Gly Lys Val Thr Ser Asp His
1 5 10 15
<210> SEQ ID NO: 10
<211> LENGTH: 17
<212> TYPE: PRT
<213> ORGANISM: Unknown Organism
<220> FEATURE:
<223> OTHER INFORMATION: Description of Unknown Organism:PEPTIDE
<400> SEQUENCE: 10
Pro Val Tyr Lys Val Lys Pro Asn Pro Pro His Asn Leu Ser Val Ile
1 5 10 15
Asn
<210> SEQ ID NO: 11
<211> LENGTH: 28
<212> TYPE: PRT
<213> ORGANISM: Unknown Organism
<220> FEATURE:
<223> OTHER INFORMATION: Description of Unknown Organism:PEPTIDE
<400> SEQUENCE: 11
Glu Trp Gly Pro Arg Ser Thr Pro Ser Leu Thr Thr Lys Ala Val Leu
1 5 10 15
Leu Val Arg Lys Phe Gln Asn Ser Pro Ala Glu Asp
20 25
<210> SEQ ID NO: 12
<211> LENGTH: 187
<212> TYPE: PRT
<213> ORGANISM: Unknown Organism
<220> FEATURE:
<223> OTHER INFORMATION: Description of Unknown Organism:PEPTIDE
<400> SEQUENCE: 12
Ala Pro Pro Val Pro Pro Gly Glu Asp Ser Lys Asp Val Ala Ala Pro
1 5 10 15
His Arg Gln Pro Leu Thr Ser Ser Glu Arg Ile Ser Lys Gln Ile Arg
20 25 30
Tyr Ile Leu Asp Gly Ile Ser Ala Leu Arg Lys Glu Thr Cys Asn Lys
35 40 45
Ser Asn Met Cys Glu Ser Ser Lys Glu Ala Leu Ala Glu Asn Asn Leu
50 55 60
Asn Leu Pro Lys Met Ala Glu Lys Asp Gly Cys Phe Gln Ser Gly Phe
65 70 75 80
Asn Glu Glu Thr Cys Leu Val Lys Ile Ile Thr Gly Leu Leu Glu Phe
85 90 95
Glu Val Tyr Leu Glu Tyr Leu Gln Asn Arg Phe Glu Ser Ser Glu Glu

RAW SEQUENCE LISTING DATE: 08/07/2000
PATENT APPLICATION: US/09/202,104 TIME: 20:15:31

Input Set : A:\3890usl.app
Output Set: N:\CRF3\08072000\I202104.raw

```
217                 100                 105                 110
219 Gln Ala Arg Ala Val Gln Met Ser Thr Lys Val Leu Ile Gln Phe Leu
220             115                 120                 125
222 Gln Lys Lys Ala Lys Asn Leu Asp Ala Ile Thr Thr Pro Asp Pro Thr
223     130                 135                 140
225 Thr Asn Ala Ser Leu Leu Thr Lys Leu Gln Ala Gln Asn Gln Trp Leu
226 145                 150                 155                 160
228 Gln Asp Met Thr Thr His Leu Ile Leu Ile Arg Ser Phe Lys Glu Phe
229                 165                 170                 175
231 Leu Gln Ser Ser Leu Arg Ala Leu Arg Gln Met
232             180                 185
235 <210> SEQ ID NO: 13
236 <211> LENGTH: 112
237 <212> TYPE: PRT
238 <213> ORGANISM: Unknown Organism
240 <220> FEATURE:
241 <223> OTHER INFORMATION: Description of Unknown Organism:PEPTIDE
243 <220> FEATURE:
244 <221> NAME/KEY: UNSURE
245 <222> LOCATION: (60)
246 <223> OTHER INFORMATION: Xaa at position 60 is undefined/unclear
248 <220> FEATURE:
249 <221> NAME/KEY: UNSURE
250 <222> LOCATION: (65)
251 <223> OTHER INFORMATION: Xaa at position 65 is undefined/unclear
253 <400> SEQUENCE: 13
254 Pro Pro Glu Glu Pro Gln Leu Ser Cys Phe Arg Lys Ser Pro Leu Ser
255   1               5                  10                  15
257 Asn Val Val Cys Glu Trp Gly Pro Arg Ser Thr Pro Ser Leu Thr Thr
258             20                  25                  30
260 Lys Ala Val Leu Leu Val Arg Lys Phe Gln Asn Ser Pro Ala Glu Asp
261         35                  40                  45
263 Phe Gln Glu Pro Cys Gln Tyr Ser Gln Glu Ser Xaa Lys Phe Ser Cys
264     50                  55                  60
266 Xaa Leu Ala Val Pro Glu Gly Asp Ser Ser Phe Tyr Ile Val Ser Met
267  65                  70                  75                  80
269 Cys Val Ala Ser Ser Val Gly Ser Lys Phe Ser Lys Thr Gln Thr Phe
270                 85                  90                  95
272 Gln Gly Cys Gly Ile Leu Gln Pro Asp Pro Pro Ala Asn Ile Thr Val
273             100                 105                 110
279 <210> SEQ ID NO: 14
280 <211> LENGTH: 108
281 <212> TYPE: PRT
282 <213> ORGANISM: Unknown Organism
284 <220> FEATURE:
285 <223> OTHER INFORMATION: Description of Unknown Organism:PEPTIDE
287 <400> SEQUENCE: 14
288 Pro Pro Glu Lys Pro Lys Asn Leu Ser Cys Ile Val Asn Glu Gly Lys
289   1               5                  10                  15
```

RAW SEQUENCE LISTING DATE: 08/07/2000
PATENT APPLICATION: US/09/202,104 TIME: 20:15:31

Input Set : A:\3890usl.app
Output Set: N:\CRF3\08072000\I202104.raw

```
Lys Met Arg Cys Glu Trp Asp Gly Gly Arg Glu Thr His Leu Glu Thr
                 20                  25                  30
Asn Phe Thr Leu Lys Ser Glu Trp Ala Thr His Lys Phe Ala Asp Cys
             35                  40                  45
Lys Ala Lys Arg Asp Thr Pro Thr Ser Cys Thr Val Asp Tyr Ser Thr
         50                  55                  60
Val Tyr Phe Val Asn Ile Glu Val Trp Val Glu Ala Glu Asn Ala Leu
 65                  70                  75                  80
Gly Lys Val Thr Ser Asp His Ile Asn Phe Asp Pro Val Tyr Lys Val
                 85                  90                  95
Lys Pro Asn Pro Pro His Asn Leu Ser Val Ile Asn
            100                 105
<210> SEQ ID NO: 15
<211> LENGTH: 7
<212> TYPE: PRT
<213> ORGANISM: Unknown Organism
<220> FEATURE:
<223> OTHER INFORMATION: Description of Unknown Organism:PEPTIDE
<400> SEQUENCE: 15
Ser Leu Thr Thr Lys Ala Val
  1               5
<210> SEQ ID NO: 16
<211> LENGTH: 12
<212> TYPE: PRT
<213> ORGANISM: Unknown Organism
<220> FEATURE:
<223> OTHER INFORMATION: Description of Unknown Organism:PEPTIDE
<400> SEQUENCE: 16
Ile Leu Arg Ser Phe Lys Glu Phe Leu Gln Ser Ser
  1               5                  10
<210> SEQ ID NO: 17
<211> LENGTH: 15
<212> TYPE: PRT
<213> ORGANISM: Unknown Organism
<220> FEATURE:
<223> OTHER INFORMATION: Description of Unknown Organism:PEPTIDE
<400> SEQUENCE: 17
Trp Val Glu Ala Glu Asn Ala Leu Gly Lys Val Thr Ser Asp His
  1               5                  10                  15
<210> SEQ ID NO: 18
<211> LENGTH: 5
<212> TYPE: PRT
<213> ORGANISM: Unknown Organism
<220> FEATURE:
<223> OTHER INFORMATION: Description of Unknown Organism:PEPTIDE
<400> SEQUENCE: 18
Arg Tyr Ile Leu Asp
  1               5
<210> SEQ ID NO: 19
```

please correct
Seq 19, if same
error
as 18

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/202,104

DATE: 08/07/2000
TIME: 20:15:32

Input Set : A:\3890us1.app
Output Set: N:\CRF3\08072000\I202104.raw

L:263 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:266 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13